



## *Systematically speaking -*

A selection of the latest systematic reviews added to the ARIF Reviews Database  
October 2010

### Methodology Papers

Reviews – [Therapeutic](#) [Alternative and Complementary Medicine](#) [Diagnosis](#)  
[Miscellaneous](#) [Miscellaneous Non-Medical](#)

#### **Methodology**

Cohen KB, Johnson H, Verspoor K, Roeder C, Hunter L. The structural and content aspects of abstracts versus bodies of full text journal articles are different. *BMC Bioinformatics* 2010; 11:492  
<http://www.biomedcentral.com/1471-2105/11/492>

Dominiczak M. Meta-analysis and causality: what about evidence-based biochemistry? *Current Opinion in Lipidology* 2010; 21(5):466-468

Findlay B, Smith K, Crawford CC, Coulter I, Khorsan R, Jonas WB. Methodological complexities associated with systematic review of healing relationships. *Alternative Therapies in Health and Medicine* 2010; 16(5):40-47

Karimi S, Pohl S, Scholer F, Cavedon L, Zobel J. Boolean versus Ranked Querying for Biomedical Systematic Reviews. *BMC Medical Informatics and Decision Making* 2010; 10:58  
<http://www.biomedcentral.com/1472-6947/10/58>

Kent D, Rothwell P, Ioannidis J, Altman D, Hayward R. Assessing and reporting heterogeneity in treatment effects in clinical trials: a proposal. *Trials* 2010; 11:85  
<http://www.trialsjournal.com/content/11/1/85>

Roskiewicz M. Quantitative synthesis of surveys results - the base of meta-analysis. *Prace Naukowe - Uniwersytetu Ekonomicznego We Wroclawiu* 2010; 107:53

Schuetz GM, Tackmann R, Hamm B, Dewey M. Quality of Diagnostic Accuracy Studies: QUADAS (Quality Assessment of Diagnostic Accuracy Studies included in Systematic Reviews). *Rofo* 2010; **epublished 4 Oct**

Simon M, Hausner E, Klaus S, Dunton N. Identifying nurse staffing research in Medline: development and testing of empirically derived search strategies with the PubMed interface. *BMC Medical Research Methodology* 2010; 10:76  
<http://www.biomedcentral.com/1471-2288/10/76>

Urrea Medina E, Barria Pailaquilen RM: Systematic review and its relationship with evidence-based practice in health. *Revista Latino-Americana de enfermagem* 2010; 18(4):824-831

Walczak J, Kaleta A, Gabrys E, Kloc K, Thangaratinam S, Barnfield G et al. How are "teaching the teachers" courses in evidence based medicine evaluated? A systematic review. *BMC Medical Education* 2010; 10:64 <http://www.biomedcentral.com/1472-6920/10/64>

## Reviews – Therapeutic

Askie LM, Ballard RA, Cutter G, Dani C, Elbourne D, Field D et al. Inhaled nitric oxide in preterm infants: a systematic review and individual patient data meta-analysis. *BMC Pediatrics* 2010 ; 10:15 <http://www.biomedcentral.com/1471-2431/10/15>

Bakoyiannis CN, Economopoulos KP, Georgopoulos S, Klonaris C, Shialarou M, Kafeza M, et al. Fenestrated and branched endografts for the treatment of thoracocabdominal aortic aneurysms: A systematic review. *Journal of Endovascular Therapy* 2010; 17(2):201-209

Bukkapatnam RN, Gabler NB, Lewis WR. Statins for primary prevention of cardiovascular mortality in women: a systematic review and meta-analysis. *Preventive Cardiology* 2010; 13(2):84-90

Canil C, Hotte S, Mayhew LA, Waldron TS, Winquist . Interferon-alfa in the treatment of patients with inoperable locally advanced or metastatic renal cell carcinoma: a systematic review. *Canadian Urological Association Journal* 2010; 4(3):201-208

Dueber MK, Voss S, Jensen K, Buchler MW, Seiler CM. Elective midline laparotomy closure: The INLIINE systematic review and meta-anlaysis of existing 5 systematic reviews revealed varying recommendations for abdominal fascia closure. A systematic review and cumulative meta-analysis of 14 randomized controlled trials showed the superiority of a continuous (vs interrupted) technique and slowly absorbable (vs rapidly-absorbable) suture material for elective

midline laparotomy. Results in the emergency setting were not conclusive. *Annals of Surgery* 2010; 251(5):843-856

Ford AC, Kane SV, Khan KJ, Achkar JP, Talley N, Marshall JK, et al. Efficacy of amino-salicylic acid (ASA) in Crohns disease (CD): A meta-analysis of randomized controlled trials inducing remission in active disease and prevenitng relapse rates in quiescent disease. *Gastroenterology* 2010; 138(5 Suppl 1):S519

Ford AC, Achkar JP, Khan KJ, Kane SV, Talley N, Marshall JK, et al. Efficacy and optimum dose of amino-salicylic acid (ASA) in ulcerative colitis (UC). A meta-analysis of randomized controlled trials inducing remission in active disease and preventing relapse rates in quiescent disease. *Gastroenterology* 2010; 138(5 Suppl 1):S519

Gao M, Han J, Tian J, Yang . Vypro II mesh for inguinal hernia repair: A meta-analysis of randomized controlled trial. We compare the effectiveness of Vypro II mesh and polypropylene mesh after inguinal hernia repair. There is no significant difference between Vypro II and polypropylene mesh in short-term effectiveness, but the feeling of a foreign body was significantly lower with Vypro II mesh. *Annals of Surgery* 2010; 251(5):838-842

Gupta A., Guyomard V, Zaman MJ, Rehman HU, Myint PK. Systematic review on evidence of the effectiveness of cholesterol-lowering drugs. *Advances in Therapy* 2010; **published 8 Jun**

Ibrahim EM, Zekri JM, Bin Sadiq BM. Cetuximab-based therapy for metastatic colorectal cancer: a meta-analysis of the effect of K-ras mutations. *International Journal of Colorectal Disease* 2010; 25(6):713-721

Jankowski P, Bednarek A, Kawecka-Jaszcz K. The influence of educational media campaigns on reduction of prehospital delay

in patients with acute coronary syndrome - a systematic review. *Kardiologia Polska* 2010; 68(3):332-338

Souza LM, Riera R, Saconato H, Demathe A, Atallah AN. Oral drugs for hypertensive urgencies: systematic review and meta-analysis. *Sao Paulo Medical Journal* 2009; 127(6):366-372

van Wert R, Friedrich JO, Scales DC, Wald R, Adhikari NKJ. High-dose renal replacement therapy for acute kidney injury: Systematic review and meta-analysis. *Critical Care Medicine* 2010; 38(5):1360-1369

Warshafsky S, Lee DH, Francois LK, Nowakowski J, Nadelman RB, Wormser GP. Efficacy of antibiotic prophylaxis for the prevention of Lyme disease: an updated systematic review and meta-analysis. *Journal of Antimicrobial Chemotherapy* 2010; 65(6):1137-1144

Xu T, Chen J, Lu Y, Wolff JE. Effects of bevacizumab plus irinotecan on response and survival in patients with recurrent malignant glioma: a systematic review and survival-gain analysis. *BMC Cancer* 2010; 10:252 <http://www.biomedcentral.com/1471-2407/10/252>

## Alternative and Complementary Medicine

Cipriani S, Chiaffarino F, Malvezzi M, Parazzini F. Soy Isoflavones and bone mineral density in perimenopausal and postmenopausal western women: A systematic review and meta-analysis of randomized controlled trials. *Journal of Womens Health* 2010; 19(9):1609-1617

Findlay B, Smith K, Crawford CC, Coulter I, Khorsan R, Jonas WB. Methodological complexities associated with systematic review of healing relationships. *Alternative Therapies in Health and Medicine* 2010; 16(5):40-47

Hasani-Ranjbar S, Nayebi N, Moradi L, Mehri A, Larijani B, Abdollahi M. The Efficacy and Safety of Herbal Medicines Used in the Treatment of Hyperlipidemia; A Systematic Review. *Current Pharmaceutical Design* 2010; **epublished 22 Sep**

Shin B-C, Lee MS, Park T-Y, Ernst . Serious adverse events after spinal manipulation: a systematic review of the Korean literature. *Focus on Alternative and Complementary Therapies* 2010; 15(3):198-201

Sy A. Concern with meta-analysis of acupuncture for neck pain. *Journal of Alternative and Complementary Medicine* 2010; 16(9):937

Taku K, Lin N, Cai D, Hu J, Zhao X, Zhang Y et al.: Effects of soy isoflavone extract supplements on blood pressure in adult humans: Systematic review and meta-analysis of randomized placebo-controlled trials MS509. *Atherosclerosis* 2010; 11(2):212

Vickers A, Cronin A, Maschino A, Lewit G, Macpherson H, Victor N et al. The Acupuncture TC. Individual patient data meta-analysis of acupuncture for chronic pain: protocol of the Acupuncture Trialists' Collaboration. *Trials* 2010; 11:90 <http://www.trialsjournal.com/content/11/1/90>

## Diagnosis

Abdulla J, Sivertsen J, Kofoed KF, Alkadhi H, LaBounty T, Abildstrom SZ et al. Evaluation of aortic valve stenosis by cardiac multi-slice computed tomography compared with echocardiography: A systematic review and meta-analysis. *Journal of Heart Valve Disease* 2010; 18(6):634-643

Browning LM, Hsieh SD, Ashwell M. A systematic review of waist-to-height ratio as a screening tool for the prediction of cardiovascular disease and diabetes: 0.5 could be a suitable global boundary value. *Nutrition Research Reviews* 2010; **epublished 7 Sep**

Cho YK, Kim GH, Kim JH, Jung H, Lee JS, Kim NY. Diagnosis of gastroesophageal reflux disease: a systematic review. *Korean Journal of Gastroenterology* 2010; 55(5):279-295

Jung HK, Keum BR, Jo YJ, Jee SR, Rhee PL, Kang YW. Diagnosis of functional dyspepsia: a systematic review. *Korean Journal of Gastroenterology* 2010; 55(5):296-307

Li D, Jing H: Meta-analysis of relationship between serum adipokine level and osteoporosis. *Chinese Journal of Osteoporosis* 2010; 16(4):244-247

Lynch T, Bialy L, Kellner JD, Osmond MH, Klassen TP, Durec T, et al. A systematic review on the diagnosis of pediatric bacterial pneumonia: when gold is bronze. *PLoS ONE* 2010; 5(8)  
<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0011989>

Mahajan N, Polavaram L, Vankayala H, Ference B, Wang Y, Ager J, et al. Diagnostic accuracy of myocardial perfusion imaging and stress echocardiography for the diagnosis of left main and triple vessel coronary artery disease: a comparative meta-analysis. *Heart* 2010; 96(12):856-966

Myung SJ, Lee TH, Huh KC, Choi SC, Sohn CI. Diagnosis of constipation: a systematic review. *Korean Journal of Gastroenterology* 2010; 55(5):316-324

Neligan A, Shorvon SD. Frequency and prognosis of convulsive status epilepticus of different causes: a systematic review. *Archives of Neurology* 2010; 67(8):931-940

Park JH, Byeon JS, Shin WG, Yoon YH, Cheon JH, Lee KJ, Park J. Diagnosis of irritable bowel syndrome: a systematic review. *Korean Journal of Gastroenterology* 2010; 55(5): 308-315

Phillips B, Wade R, Stewart LA, Sutton AJ. Systematic review and meta-analysis of the discriminatory performance of risk

prediction rules in febrile neutropaenic episodes in children and young people. *European Journal of Cancer* 2010; **epublished 9 Jul**

Rew L, Kaur M, McMillan A, Mackert M, Bonevac D. Systematic Review of Psychosocial Benefits and Harms of Genetic Testing. *Issues in Mental Health Nursing* 2010; 31(10):631-645

Scarpa M, Prando D, Pozza A, Esposti ED, Castoro C, Angriman I. A systematic review of diagnostic procedures to detect midgut neuroendocrine tumors. *Journal of Surgical Oncology* 2010 **epublished 1 Sep**

Sester M, Sotgiu G, Lange C, Giehl C, Girardi E, Migliori GB et al. Interferon- $\gamma$  release assays for the diagnosis of active tuberculosis: A systematic review and meta-analysis. *European Respiratory Journal* 2010; **epublished 16 Sep**

Steinfort DP, Khor YH, Manser RL, Irving LB. Radial probe endobronchial ultrasound for the diagnosis of peripheral lung cancer: systematic review and meta-analysis. *European Respiratory Journal* 2010 **epublished 6 Aug**

Yang X, Pugh ND, Coleman DP, Nokes LD. Are Doppler studies a useful method of assessing neovascularization in human Achilles tendinopathy? A systematic review and suggestions for optimizing machine settings. *Journal of Medical Engineering and Technology* 2010; **epublished 2 Jul**

Yeo SA, Chew MH, Eu KW. Systematic review and meta-analysis of the diagnostic and therapeutic role of water-soluble contrast agent in adhesive small bowel obstruction (Br J Surg 2010; 97; 470-478). *British Journal of Surgery* 2010; 97(8):1311

## Miscellaneous

Akazawa Y, Shiohara M, Amano Y, Uchida N, Nakamura S, Minami I, et al. The clinical characteristics of vitamin D deficiency in childhood: a systematic literature review of Japanese patients. *Journal of Pediatric Endocrinology and Metabolism* 2010; 23(7):675-684

Anderson KK, Fuhrer R, Malla AK. The pathways to mental health care of first-episode psychosis patients: a systematic review. *Psychological Medicine* 2010; 40(10):1585-1598

Bowser DM, Utz S, Glick D, Harmon R. A systematic review of the relationship of diabetes mellitus, depression, and missed appointments in a low-income uninsured population. *Archives of Psychiatric Nursing* 2010; 24(5):317-329

Brinks A, Koes BW, Volkers AC, Verhaar JA, Bierma-Zeinstra SM: Adverse effects of extra-articular corticosteroid injections: a systematic review. *BMC Musculoskeletal Disorders* 2010; 11:206  
<http://www.biomedcentral.com/1471-2474/11/206>

Chisholm-Burns MA, Graff Zivin JS, Lee JK, Spivey CA, Slack M, Herrier RN et al. Economic effects of pharmacists on health outcomes in the United States: A systematic review. *American Journal of Health System Pharmacists* 2010; 67(19):1624-1634

de Vries NM, Staal JB, van Ravensberg CD, Hobbelen JS, Olde Rikkert MG, Nijhuis-van der Sanden MW. Outcome instruments to measure frailty: A systematic review. *Ageing Research Reviews* 2010; **published 15 Sep**

Dubayova T, Dijk JP, Nagyova I, Rosenberger J, Havlikova E, Gdovinova Z, et al: The impact of the intensity of fear on patient's

delay regarding health care seeking behavior: a systematic review. *International Journal of Public Health* 2010; 55(5):459-468

Kastorini CM, Milionis H, Esposito K, Giugliano D, Goudevenos J, Panagiotakos DB. The beneficial effect of mediterranean diet on metabolic syndrome: A meta-analysis of 49 studies and 175,529 individuals P430. *Atherosclerosis* 2010; 11(2):107

Mutter J, Curth A, Naumann J, Deth R, Walach H. Does Inorganic Mercury Play a Role in Alzheimer's Disease? A Systematic Review and an Integrated Molecular Mechanism. *Journal of Alzheimers Disease* 2010; **published 30 Aug**

Nielsen SS, Krasnik A. Poorer self-perceived health among migrants and ethnic minorities versus the majority population in Europe: a systematic review. *International Journal of Public Health* 2010; 55(5):357-371

Palfreyman SJ, Tod AM, Brazier JE, Michaels JA. A systematic review of health-related quality of life instruments used for people with venous ulcers: an assessment of their suitability and psychometric properties. *Journal of Clinical Nursing* 2010; 19(19-20):2673-2703

Rees K, Guraewal S, Wong YL, Majanbu DL, Mavrodaris A, Stranges S, et al. Is vitamin K consumption associated with cardio-metabolic disorders? A systematic review. *Maturitas* 2010; 67(2):121-128

Rew L, Kaur M, McMillan A, Mackert M, Bonevac D: Systematic Review of Psychosocial Benefits and Harms of Genetic Testing. *Issues in Mental Health Nursing* 2010; 31(10):631-645

## Miscellaneous Non-medical

Durlak JA, Weissberg RP, Pachan M. A meta-analysis of after-school programs that seek to promote personal and social skills in children and adolescents. *American Journal of Community Psychology* 2010; 45(3-4):294-309

Floh A, Sheth J. A review of meta-analysis in marketing. *AMA Educators Proceedings* 2010; 21:73-74

Karkhaneh M, Clark B, Ospina MB, Seida JC, Smith V, Hartling L. Social Stories™ to improve social skills in children with autism spectrum disorder: A systematic review. *Autism* 2010; **epublished 5 Oct**

Lyster R, Saito K. Oral feedback in classroom SLA: A meta-analysis. *Studies in Second Language Acquisition* 2010; 32(2):265-302

Shaw LA. Divorce mediation outcome research: A meta-analysis. *Conflict Resolution Quarterly* 2010; 27(4):447-467

Whiteway SL, Biron PM, Zimmermann A, Venter O, Grant JWA. Do in-stream restoration structures enhance salmonid abundance? A meta-analysis. *Canadian Journal of Fisheries and Aquatic Sciences* 2010; 67(5):831-841

Zvereva EL, Lanta VC, Kozlov MV. Effects of sap-feeding insect herbivores on growth and reproduction of woody plants: a meta-analysis of experimental studies. *Oecologia* 2010; 163(4):949-960

[Back to Top](#)

